ADDERLink® INFINITY Dual 2112T

Matrix

Dual-head digital video, audio, and USB2.0 over 1GbE IP network with embedded RealVNC® server.

A high performance KVM extender that allows critical computing hardware to be stored in a secure and temperature-controlled environment while providing an 'at-the-PC' experience across distances up to 20km, and simultaneously via a WAN via VNC® viewer.

Features

Remote Access with Real-Time Control

Access your computers remotely with VNC, while taking real-time control on separate networks. The unit can equally serve a VNC equipped video wall processor and an ADDERLink INFINITY equipped user station reducing the complexity of control room infrastructure.

Perfect Digital Video, Real-Time Control

Using a spatially-lossless encoding system, with 1:1 pixel mapping, the ADDERLink INFINITY provides pixel-perfect and color accurate video with no artefacts. The digital video received is the same as the digital video leaving the remote computer.

Standard IP Technology

Using standard IP technology allows a choice of CATx or fiber connections. Resilience is offered by the optional second network port which provides teaming facility for load balanced and critical systems. The VNC server is on a third network to keep the networks separated.

Virtual Media Support

To transfer files from remote users to controlled computers, the system has been engineered to act as a conduit through which data can be passed. Files can be transferred, via IP, onto the ADDERLink INFINITY dual and the target computer by means of a USB virtual media port.

USB 2.0 with Class Control

Supports USB devices including graphics tablets, jog shuttles, joysticks and 3D explorers, alongside mass storage devices. For secure applications, the system can disable the use of non-HID devices, meaning there is no need to physically block USB ports to prevent the use of mass storage devices.

ADDERLink INFINITY Matrix

With the addition of the ADDERLink INFINITY management system (AIM), you can turn multiple point-to-point extenders into a scalable digital KVM matrix system that allows any workstation to link with any computer connected to the network. See the AIM datasheet for details.

Highly Secure
Employing enterprise grade security (using AES 256bit encryption and RSA 2048bit public key authentication) as standard, the unit is further enhanced by the use of RealVNC that allows for the creation of ciphered user communications.

Plug and Play
ADDERLink INFINITY devices are delivered in a zero config state so you can plug them in and start working on them straight away. There is no need for drivers or software to be installed.

Redundant Network Operation
The units support network teaming allowing for full network redundancy and increased resilience for mission-critical applications.

Power Control via RS232 Interface
The unit has an RS232 port to allow communication to devices like power switches and remote re-booting of the target computer.

Support for Open Source and RealVNC
The ADDERLink INFINITY 2112T supports RFB 3.3 for open source VNC viewers as well as RealVNC viewers.

EDID Management
Intelligent EDID management allows the true characteristics of the monitor to be passed back to the computer. This ensures perfect video display without additional configuration.

Support for Dithered Video
Allows analog or noisy video to pass through the system or computers that dither the video to enhance the perceptive image quality. Some Mac® computers use this technique.

Analog Audio
The ALIF2112 supports bi-directional stereo audio input via 3.5mm jack connectors, end to end, to a ADDERLink INFINITY receiver. VNC does not support audio.

Video Information (1 Screen)	
Maximum Resolution (1 Screen)	2560 x1600
Frame Rate (1 Screen)	60 Hz
Color Depth (1 Screen)	8 bpc
Video Information (2 Screen)	
Maximum Resolution (2 Screens)	1920 x 1200
Frame Rate (2 Screens)	60 Hz
Color Depth (2 Screen)	8 bpc
Video Additional Information	
Video Additional Information	The system supports either two Single Link DVI-D resolutions to a maximum of 1920 x1200 @ 60Hz or one Dual Link to a maximum of 2560 x1600 @ 60Hz
Computer Connections	
USB B	1x 2.0, True Emulation,Full Speed
DVI-D	2x
Link Ports	
8p8c (RJ45)	1x
SFP	1x
8p8c (RJ45)	1x
Serial Ports	
Serial Connection	1x RS232
Maximum Baud Rate	115,200
Serial Additional Information	RS232 is reserved for power control for AdderLink Infinity dual VNC.
Audio Connections	
Audio Type	Analog
Channels	2x
Audio Direction	Bi-directional
Size (bit)	16
Speed (kHz)	48
Audio In Port	1x 3.5mm jack
Audio Out Port	1x 3.5mm jack
Network Support	
Bandwidth	1GbE

10/100 Support	No
Environmental	
Operating Temperature Range °C / °F	0 to 40 °C / 32 to 104 °F
Storage Temperature °C / °F Range	0 to 40 °C / 32 to 104 °F
Operating Humidity (%)	10% - 90% (non-condensing)
Storage Humidity (%)	10% - 90% (non-condensing)
Altitude m/ft	2,000 / 6562
Mean Time Between Failure (MTBF)	500,000 h
MTBF Standard	Telcordia SR332 Issue 3 Method 1 Calculated @ 55C
Temperature Regulation	Fanless
Power Source	
5V	1x
Power Consumption	
Maximum Power (Watts)	20
Typical Power (Watts)	12
Physical Design	
Construction Material	Robust metal construction
U size	1
Width (mm) / (in.)	198 / 7.8
Height (mm) / (in.)	44 / 1.7
Depth (mm) / (in.)	150 / 5.9
Weight (kg) / (lb)	1.1 / 2.4
Compatibility	
OS Compatibility	All known operating systems
Approvals and Standards	
Approvals	CE, cULus - E476334, FCC, ICES, RCM, UKCA
Standards	ANSI 63.4, BSEN60950, EN55032 /CISPR 32, EN55035/CISPR 35, EN61000-3-2, EN61000-3-3, EN63000, FCC pt15B, ICES003
Other	Cal Prop 65, China ROHS, EU REACH, UK REACH

What's in the Box?
1x ALIF2112 Transmitter
1x PSU-IEC-5VDC-4A: Mains power supply
1x IEC PSU cable of country code
1x VSCD3: 2m/6.5ft Dual link DVI cable
1x VSCD1: 2m/6.5ft Single link DVI cable
1x VSC24: 2m/6.5ft USB cable
2x VSC22: 2m/6.5ft Audio cable

Ordering Information	
ALIF2112T-XX	ALIF2112 Transmitter

Related Accessories (Sold Separately)
ADDER® Rack Mount Kit RMK4S
ADDER® Rackmount Kit RMK4D-R2
ADDER® SFP-CATX-RJ45
ADDER® SFP-MM-LC